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PATENT

1731

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
Dr. Joachim Grabscheid, et al. ) Group: 1731  
Serial No.: 10/074,551 )  
Filed: February 13, 2002 ) Examiner: Eric J. Hug  
Title: TWIN WIRE FORMER FOR THE PRODUCTION )  
OF A FIBER WEB FROM A FIBER SUSPENSION )

INFORMATION DISCLOSURE STATEMENT

MS DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant wishes to bring to the attention of the Examiner the documents identified on the attached form PTO-1449. Applicant respectfully requests that these documents be made of record in the present application.

A copy of each of the documents is enclosed.

Foreign Language document entitled "Gap Forming Technology with TWIN-Former G for Testliner and Corrugating Medium" discloses gap forming is a common and widely accepted technology for the production of newsprint. Better formation more even basis weight profile and higher production are the main advantages. Gap former technology such as with the Twin-Former G can now be expanded also for the production of testliner, corrugating medium and packaging papers. The use of a multiplayer headbox is feasible.

The TWIN-Former G is a horizontal Gap former and is suitable for upgrading existing fourdrinier machines and also for new machines. Design features are an open forming roll, followed by a first and second forming shoe. Top suction boxes are properly arranged for easy white water removal. Pressure pulses are acting on the suspension with increasing intensity in machine direction to break up fiber flocs and improve formation.

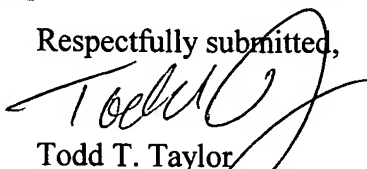
With the TWIN-Former G a high drainage rate can be provided and slow drainage stock such as secondary fibers extensively can be used. Results from pilot plant trials are reported. High basis weight pick up can be achieved. A well formed sheet results in high ring crush, high concora and

good internal bonding strength. The tensile ration MD/CD is adjustable in a wide range. High turbulence allows a high optimal consistency larger than 1.2% in the step diffuser headbox.

The undersigned hereby certifies that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

In the event Applicants have overlooked the need for a payment of fee, or additional payment of fee, or have overpaid a fee, Applicants hereby conditionally petition therefor and authorize that any charges or credits be made to Deposit Account No. 20-0095, TAYLOR & AUST, P.C.

Respectfully submitted,



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Encs.: Form PTO-1449  
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MS DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on: November 12, 2003.

Todd T. Taylor, Reg. No. 36,945

NAME OF REGISTERED REPRESENTATIVE



SIGNATURE

November 12, 2003

DATE

ATTORNEY DOCKET NO.:  
VOI016.USSERIAL NO:  
10/074,551

## INFORMATION DISCLOSURE STATEMENT

APPLICANT:  
Dr. Joachim Grabscheid, et al.FILING DATE:  
February 13, 2002GROUP:  
1731

## U.S. PATENT DOCUMENTS

Examiner Initial *		Document No.	Date	Name	Class	Subclass	Filing Date
	AA	4,209,360	6/1980	Stenberg et al.	162	203	February 9, 1979
	AB	4,619,737	10/1986	Holz	162	357	September 6, 1985
	AC	5,225,043	7/1993	Braun, et al.	162	301	December 4, 1991
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

							Translation	
		Document No.	Date	Country	Class	Subclass	Yes	No
	AL	WO 97/47803	12/1997	PCT	D21F	1/00		X
	AM	EP 0 504 123	3/1992	Europe	D21F	9/00		X
	AN	EP 0 627 523	5/1994	Europe	D21F	9/00		X
	AO							
	AP							

## OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

		K. Müller, A. Bubik and T. Schaible, "Gap Forming Technology with TWIN-Former G for Testliner and Corrugating Medium", July, 1991

EXAMINER:

DATE CONSIDERED:

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.